

SEQUENCE LISTING

<110> Turner, C. Alexander Jr.
Nehls, Michael C.
Friedrich, Glenn
Zambrowicz, Brian
Sands, Arthur T.

<120> Novel Human Notch Ligand Proteins and Polynucleotides ,
Encoding the Same

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<212> DNA

<213> Homo sapiens

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Glu Asn Leu Leu Glu Lys Lys Lys Asn Gln Arg Lys Ile Arg Ile Lys
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Gly Ile Gln Asn Lys Asp Ile Leu Lys Arg Asn Lys Asn His Leu Gln
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Lys Gln Ala Glu Lys Asn Phe Thr Asp Glu Gly Asp Gln Leu Phe Lys
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Tyr Tyr Lys Lys Val Ala Asp Tyr Ile Ala Asp Thr Phe Glu Lys Ser
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Lys Phe Leu Ala Glu Arg Gly Asp Val Gln Ile Gln Val Ser Leu Gly
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Ser	His	Ile	Leu	Glu	Gln	Arg	Thr	Ser	Ser	Asn	Val	Ile	Asn	Lys	Arg	50	55	60	
Glu	Asn	Leu	Leu	Glu	Lys	Lys	Lys	Asn	Gln	Arg	Lys	Ile	Arg	Ile	Lys	65	70	75	80
Gly	Ile	Gln	Asn	Lys	Asp	Ile	Leu	Lys	Arg	Asn	Lys	Asn	His	Leu	Gln	85	90	95	
Lys	Gln	Ala	Glu	Lys	Asn	Phe	Thr	Asp	Glu	Gly	Asp	Gln	Leu	Phe	Lys	100	105	110	
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Glu	Ala	Tyr	Leu	Leu	Phe	Ala	Lys	Ala	Ala	Asp	Met	Gly	Asn	Leu	Lys	130	135	140	
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Gly	Ser	Ala	Gly	Gly	Asn	Met	Met	Ser	Gln	Met	Ile	Leu	Gly	Tyr	Arg	210	215	220	
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Tyr	Tyr	Lys	Lys	Val	Ala	Asp	Tyr	Ile	Ala	Asp	Thr	Phe	Glu	Lys	Ser	245	250	255	
Glu	Gly	Val	Pro	Val	Glu	Lys	Val	Arg	Leu	Thr	Glu	Arg	Pro	Glu	Asn	260	265	270	
Leu	Ser	Ser	Asn	Ser	Glu	Ile	Leu	Asp	Trp	Asp	Ile	Tyr	Gln	Tyr	Tyr	275	280	285	
Lys	Phe	Leu	Ala	Glu	Arg	Gly	Asp	Val	Gln	Ile	Gln	Val	Ser	Leu	Gly	290	295	300	
Gln	Leu	His	Leu	Ile	Gly	Arg	Lys	Gly	Leu	Asp	Gln	Asp	Tyr	Tyr	Lys	305	310	315	320
Ala	Leu	His	Tyr	Phe	Leu	Lys	Ala	Ala	Lys	Ala	Gly	Ser	Ala	Asn	Ala	325	330	335	
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Gly	Asn	Ala	Ile	Gly	Leu	His	Gly	Leu	Gly	Leu	Leu	Tyr	Phe	His	Gly	370	375	380	
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Tyr Phe Tyr Leu Ala Ser Gln Ser Gly Gln Pro Leu Ala Ile Tyr Tyr						
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Thr Ala Val Glu Leu Tyr Lys Gly Val Cys Glu Leu Gly His Trp Ala						
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Ser Ser Leu Val Gln Tyr Ala Leu Leu Ala Glu Met Gly Tyr Glu Val						
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Leu Glu Lys Glu Lys Met Tyr Pro Met Ala Leu Leu Leu Trp Asn Arg						
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Ala Ala Ile Gln Gly His Ser Leu Gly Gln Lys Ile Val Arg His Gly						
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Cys Ser Asn Glu Ser Arg Cys Pro His Thr Cys Ala Leu Cys Arg His						
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<400> 8

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Thr	Ile	Lys	Thr	Ile	Lys	Ala	Glu	Glu	His	Asn	Lys	Arg	Gln	Lys	Glu	20	25	30	
Arg	Asn	Val	Thr	Thr	Gln	Val	Ser	Val	Asn	Glu	Ile	Lys	Gln	Tyr	Leu	35	40	45	
Ser	His	Ile	Leu	Glu	Gln	Arg	Thr	Ser	Ser	Asn	Val	Ile	Asn	Lys	Arg	50	55	60	
Glu	Asn	Leu	Leu	Glu	Lys	Lys	Lys	Asn	Gln	Arg	Lys	Ile	Arg	Ile	Lys	65	70	75	80
Gly	Ile	Gln	Asn	Lys	Asp	Ile	Leu	Lys	Arg	Asn	Lys	Asn	His	Leu	Gln	85	90	95	
Lys	Gln	Ala	Glu	Lys	Asn	Phe	Thr	Asp	Glu	Gly	Asp	Gln	Leu	Phe	Lys	100	105	110	
Met	Gly	Ile	Lys	Val	Leu	Gln	Gln	Ser	Lys	Ser	Gln	Lys	Gln	Lys	Glu	115	120	125	
Glu	Ala	Tyr	Leu	Leu	Phe	Ala	Lys	Ala	Ala	Asp	Met	Gly	Asn	Leu	Lys	130	135	140	
Ala	Met	Glu	Lys	Met	Ala	Asp	Ala	Leu	Leu	Phe	Gly	Asn	Phe	Gly	Val	145	150	155	160
Gln	Asn	Ile	Thr	Ala	Ala	Ile	Gln	Leu	Tyr	Glu	Ser	Leu	Ala	Lys	Glu	165	170	175	
Gly	Ser	Cys	Lys	Ala	Gln	Asn	Ala	Leu	Gly	Phe	Leu	Ser	Ser	Tyr	Gly	180	185	190	
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Lys	Phe	Leu	Ala	Glu	Arg	Gly	Asp	Val	Gln	Ile	Gln	Val	Ser	Leu	Gly	290	295	300	
Gln	Leu	His	Leu	Ile	Gly	Arg	Lys	Gly	Leu	Asp	Gln	Asp	Tyr	Tyr	Lys	305	310	315	320
Ala	Leu	His	Tyr	Phe	Leu	Lys	Ala	Ala	Lys	Ala	Gly	Ser	Ala	Asn	Ala	325	330	335	
Met	Ala	Phe	Ile	Gly	Lys	Met	Tyr	Leu	Glu	Gly	Asn	Ala	Ala	Val	Pro	340	345	350	
Gln	Asn	Asn	Ala	Thr	Ala	Phe	Lys	Tyr	Phe	Ser	Met	Ala	Ala	Ser	Lys	355	360	365	
Gly	Asn	Ala	Ile	Gly	Leu	His	Gly	Leu	Gly	Leu	Leu	Tyr	Phe	His	Gly	370	375	380	
Lys	Gly	Val	Pro	Leu	Asn	Tyr	Ala	Glu	Ala	Leu	Lys	Tyr	Phe	Gln	Lys	385	390	395	400

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 <213> Homo sapiens

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 50 55 60
 Glu Asn Leu Leu Glu Lys Lys Lys Asn Gln Arg Lys Ile Arg Ile Lys
 65 70 75 80
 Gly Ile Gln Asn Lys Asp Ile Leu Lys Arg Asn Lys Asn His Leu Gln
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Ile	Gly	Met	Glu	Tyr	Asp	Gln	Ala	Lys	Ala	Leu	Ile	Tyr	Tyr	Thr	Phe	
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Ala	Ala	Glu	Lys	Gly	Trp	Pro	Asp	Ala	Gln	Phe	Gln	Leu	Gly	Phe	Met	
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<211> 1731

<212> DNA
<213> Homo sapiens

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<211> 576

<212> PRT

<213> Homo sapiens

<400> 12

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Arg Asn Val Thr Thr Gln Val Ser Val Asn Glu Ile Lys Gln Tyr Leu
      35             40             45
Ser His Ile Leu Glu Gln Arg Thr Ser Ser Asn Val Ile Asn Lys Arg
      50             55             60
Glu Asn Leu Leu Glu Lys Lys Lys Asn Gln Arg Lys Ile Arg Ile Lys
      65             70             75             80
Gly Ile Gln Asn Lys Asp Ile Leu Lys Arg Asn Lys Asn His Leu Gln
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Lys Gln Ala Glu Lys Asn Phe Thr Asp Glu Gly Asp Gln Leu Phe Lys
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Ala	Met	Glu	Lys	Met	Ala	Asp	Ala	Leu	Leu	Phe	Gly	Asn	Phe	Gly	Val	
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Gly	Ser	Cys	Lys	Ala	Gln	Asn	Ala	Leu	Gly	Phe	Leu	Ser	Ser	Tyr	Gly	
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Ile	Gly	Met	Glu	Tyr	Asp	Gln	Ala	Lys	Ala	Leu	Ile	Tyr	Tyr	Thr	Phe	
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Tyr	Phe	Tyr	Leu	Ala	Ser	Gln	Ser	Gly	Gln	Pro	Leu	Ala	Ile	Tyr	Tyr	
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Leu	Ala	Lys	Met	Tyr	Ala	Thr	Gly	Thr	Gly	Val	Val	Arg	Ser	Cys	Arg	
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Thr	Ala	Val	Glu	Lys	Arg	Leu	Thr	Phe	Leu	Lys	Lys	Arg	Arg	Cys	Ile	
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<213> Homo sapiens

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<212> PRT
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35 40 45
Ser His Ile Leu Glu Gln Arg Thr Ser Ser Asn Val Ile Asn Lys Arg
50 55 60
Glu Asn Leu Leu Glu Lys Lys Lys Asn Gln Arg Lys Ile Arg Ile Lys
65 70 75 80

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	530					535					540				
Lys	Leu	Asp	Asn	Thr	Ile	Gly	Pro	His	Trp	Asp	Leu	Phe	Val	Ile	Gly
545					550					555					560
Leu	Ile	Val	Pro	Gly	Leu	Ile	Leu	Leu	Leu	Arg	Asn	His	His	Gly	
				565					570					575	

[illegible]